

# HP ProLiant ML310 Generation 3 Server Cabling Chart

This chart provides information on cables required for internal and external options.  
The ML310 G3 Server includes a single SCSI or serial cable for system hard drive connections.

Use this chart to identify any additional cables that may be required.

Cables included with ProLiant ML310 G3 Server models:

SCSI model (point-to-point)	302377-001
Serial (SAS/SATA) model (point-to-point)	361316-009

Option	Connector on the Option	Cable Type Included with the Option	Supported HBAs/Controllers	Additional Cables Required
<b>Internal Hot-Plug Hard Drives</b>				
See ProLiant ML310 G3 Server Cabling Requirements for Hard Drives for detailed, graphical description (p. 2)				
<b>Internal Tape</b>				
	LVD wide 68-pin	HD68-HD68	64-bit/133-MHz Single-Channel Ultra320 SCSI HBA G2 (P/N 374654-B21) 64-bit/133-MHz Dual-Channel Ultra320 (P/N 268351-B21) 64-bit/66-MHz Dual-Channel Wide Ultra 3 (P/N 284688-B21)	No additional cables required
<b>External Tape Drives and Autoloaders</b>				
			Slot-based Ultra320 SCSI Controller (Standard in SCSI models)	Order the VHDCI internal-to-external kit (P/N 333370-B21)
	LVD wide 68-pin	HD68-VHDCI	64-bit/133-MHz Single-Channel Ultra320 SCSI HBA G2 (P/N 374654-B21) 64-bit/133-MHz Dual-Channel Ultra320 (P/N 268351-B21) 64-bit/66-MHz Dual-Channel Wide Ultra 3 (P/N 284688-B21)	No additional cables required
<b>External Tape Libraries and Optical Jukeboxes</b>				
			Slot-based Ultra320 SCSI Controller (Standard in SCSI models)	Order the VHDCI internal-to-external kit (P/N 333370-B21) and one of the following VHDCI-VHDCI cables: VHDCI-VHDCI cable. 6 ft (P/N 341174-B21) VHDCI-VHDCI cable. 12 ft (P/N 341175-B21)
	VHDCI	No SCSI cable included	64-bit/133-MHz Dual-Channel Ultra320 (P/N 268351-B21) 64-bit/66-MHz Dual-Channel Wide Ultra3 (P/N 284688-B21) 64-bit/133-MHz Single-Channel Ultra320 SCSI HBA G2 (P/N 374654-B21)	Order one of the following VHDCI-VHDCI cables: VHDCI-VHDCI cable. 6 ft (P/N 341174-B21) VHDCI-VHDCI cable. 12 ft (P/N 341175-B21)

NOTE: The information in this chart identifies standard and optional cables for purchase required for controller-to-option configuration. For information on how to cable an option, refer to the HP ProLiant ML310 Generation 3 Server User Guide and the device-specific documentation. For information on the specific options supported by the server, refer to the server and device QuickSpecs.

© 2002, 2005 Hewlett-Packard Development Company, L.P.

Hewlett-Packard Company shall not be liable for technical or editorial errors or omissions contained herein. The information in this document is provided "as is" without warranty of any kind and is subject to change without notice. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

PN: 411069-001

Date: November 4, 2005

# ML310 G3 Cabling Requirements

## for Hot Plug Serial (SAS/SATA) Hard Drive RAID Configurations

### RAID 0, 1 Configuration

Embedded SATA  
RAID Configuration  
(enabled in BIOS via "F8")

Cable is included with ML310



Cable  
Required

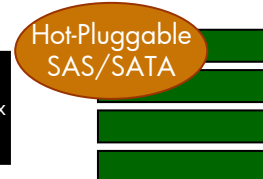
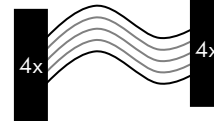


Supported Drive  
Configuration

Up to 4 SATA drives  
plugged into drive backplane  
(bays 1 - 4)

SAS HBA or  
controller installed

Cable is included with ML310



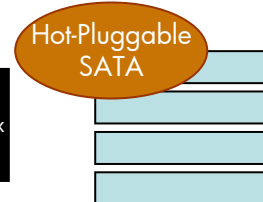
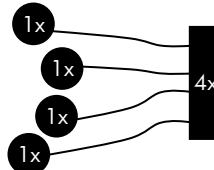
Up to 4 SAS/SATA drives  
plugged into drive backplane  
(bays 1 - 4)

### RAID 5 Configuration

6-port SATA RAID  
controller installed

Cables are not included with ML310

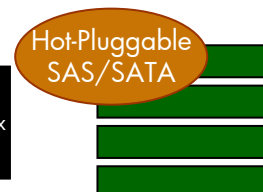
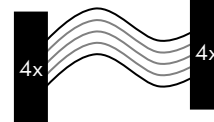
Purchase:  
HP 4-port SATA/SAS cable (target  
fan cable)  
P/N 389653-B21



Up to 4 SATA drives  
plugged into drive backplane  
(bays 1 - 4)

Smart Array P600

Cable is included with ML310



Up to 4 SAS/SATA drives  
plugged into drive backplane  
(bays 1 - 4)